FRACCIONES

Problema 27:

Resolver

$$\frac{\left(\frac{3}{4}\mathrm{X}\frac{2}{5}\right)^{2}}{\frac{3}{2}}:\left[\frac{\left(\frac{3}{4}\mathrm{X}\frac{3}{2}\right)^{2}}{\frac{2}{5}}:\left(\frac{\left(\frac{2}{5}\mathrm{X}\frac{3}{2}\right)^{2}}{\frac{3}{4}}\ \mathrm{X}\ \frac{\frac{3}{4}\mathrm{X}\frac{3}{2}}{\left(\frac{2}{5}\right)^{2}}\right):\left(\frac{\frac{3}{4}\mathrm{X}\frac{2}{5}}{\left(\frac{3}{2}\right)^{2}}:\frac{\frac{2}{5}\mathrm{X}\frac{3}{2}}{\left(\frac{3}{4}\right)^{2}}\right)\right]$$

Solución Problema 27:

$$\frac{\left(\frac{6}{20}\right)^{2}}{\frac{3}{2}}:\left[\frac{\left(\frac{9}{8}\right)^{2}}{\frac{2}{5}}:\left(\frac{\left(\frac{6}{10}\right)^{2}}{\frac{3}{4}}\ \mathrm{X}\ \frac{\frac{9}{8}}{\left(\frac{2}{5}\right)^{2}}\right):\left(\frac{\frac{6}{20}}{\left(\frac{3}{2}\right)^{2}}:\frac{\frac{6}{10}}{\left(\frac{3}{4}\right)^{2}}\right)\right]$$

$$\frac{\left(\frac{\cancel{2}X3}{\cancel{2}\mathrm{X}10}\right)^{2}}{\frac{3}{2}}:\left[\frac{\left(\frac{9}{8}\right)^{2}}{\frac{2}{5}}:\left(\frac{\left(\frac{\cancel{2}X3}{\cancel{2}\mathrm{X}5}\right)^{2}}{\frac{3}{4}}\ \mathrm{X}\ \frac{\frac{9}{8}}{\left(\frac{2}{5}\right)^{2}}\right):\left(\frac{\frac{\cancel{2}X3}{\cancel{2}\mathrm{X}10}}{\left(\frac{3}{2}\right)^{2}}:\frac{\frac{\cancel{2}X3}{\cancel{2}\mathrm{X}5}}{\left(\frac{3}{4}\right)^{2}}\right)\right]$$

$$\frac{(\frac{3}{10})^2}{\frac{3}{2}} : [\frac{\left(\frac{9}{8}\right)^2}{\frac{2}{5}} : \left(\frac{\left(\frac{3}{5}\right)^2}{\frac{3}{4}} \text{ X } \frac{\frac{9}{8}}{\left(\frac{2}{5}\right)^2} \right) : \left(\frac{\frac{3}{10}}{\left(\frac{3}{2}\right)^2} : \frac{\frac{3}{5}}{\left(\frac{3}{4}\right)^2} \right)]$$

$$\frac{\frac{9}{100}}{\frac{3}{2}} : [\frac{\frac{81}{64}}{\frac{2}{5}} : \left(\frac{\frac{9}{25}}{\frac{3}{4}} \text{ X } \frac{\frac{9}{8}}{\frac{4}{25}} \right) : \left(\frac{\frac{3}{10}}{\frac{9}{4}} : \frac{\frac{3}{5}}{\frac{9}{16}} \right)]$$

$$\frac{\frac{\cancel{3}X3}{\cancel{2}X50}}{\frac{\cancel{3}}{\cancel{2}}} : [\frac{\frac{81}{64}}{\frac{2}{5}} : \left(\frac{\frac{\cancel{3}X3}{25}}{\frac{\cancel{3}}{4}} \text{ X } \frac{\frac{9}{8}}{\frac{4}{25}} \right) : \left(\frac{\frac{\cancel{3}}{\cancel{2}X5}}{\frac{\cancel{3}X3}{\cancel{2}X2}} : \frac{\frac{\cancel{3}}{5}}{\frac{\cancel{3}X3}{16}} \right)]$$

$$\frac{3}{50} : [\frac{81X5}{64X2} : \left(\frac{3X\cancel{4}}{\cancel{25}} \text{ X } \frac{9X\cancel{25}}{\cancel{4}X8} \right) : \left(\frac{2}{\cancel{15}} : \frac{16}{\cancel{15}} \right)]$$

$$\frac{3}{50} : [\frac{81X5}{64X2} : \left(\frac{3X9}{8} \right) : \left(\frac{1}{8} \right)]$$

$$\frac{3}{50} : [\frac{\cancel{9X3}X3X5X\cancel{8}}{\cancel{8}X8X2X\cancel{3X9}} : \left(\frac{1}{8} \right)]$$

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$$\frac{3}{50}:[\frac{3X5}{8X2}:\frac{1}{8}]$$

$$\frac{3}{50}:\left[\frac{3X5X\cancel{8}}{\cancel{8}X2X1}\right]=\frac{\cancel{3}X2}{50X\cancel{3}X5}=\frac{\cancel{2}}{\cancel{2}X25X5}=\mathbf{\frac{1}{125}=0,008}$$

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